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April 1, 2022

Hand-Delivery

Mr. Jeremy M. Price
Chair, Commissioner
Alaska Oil and Gas Conservation Commission
333 West Seventh Avenue, Suite 100
Anchorage, Alaska 99501-3572

Re: Docket Number: OTH-22-012
Gas Release
Colville River Unit, CD1 Drillsite

Dear Commissioner Price:

On behalf of ConocoPhillips Alaska, Inc. ("CPAI"), and in further response to the March 11, 2022, letter from the Alaska Oil and Gas Conservation Commission ("AOGCC"), the purpose of this letter is to provide AOGCC with an estimate of the volume of gas released in connection with the above-referenced matter. The volume estimate has been reviewed and endorsed by ConocoPhillips technical experts.

The volume of natural gas released into subsurface strata under CD1 that was not captured into CPAI's Alpine Central Facility ("ACF") is estimated at 7.2 million standard cubic feet (MMSCF). Most of the 7.2 MMSCF gas released to the subsurface strata is believed to have escaped to the atmosphere between March 4, 2022, when gas was first detected at CD1, and March 8, 2022, when gas flow was routed through the WD-03 outer annulus into the ACF. Some small amount of gas that was released to the subsurface strata may continue to escape to the atmosphere over time. Gas isotope analysis and cased hole log interpretation was used to identify the source of the gas flow in the WD-03 outer annulus. The volume estimate of natural gas released is based on a source inflow performance relationship defined primarily from observations made while flowing the WD-03 outer annulus to the ACF.

Regards,

Erica Livingston

cc: (via email)

Kimberley Maher, Alaska Department of Environmental Conservation
Ryan Gross, US Environmental Protection Agency
Evan Osborne, US Environmental Protection Agency